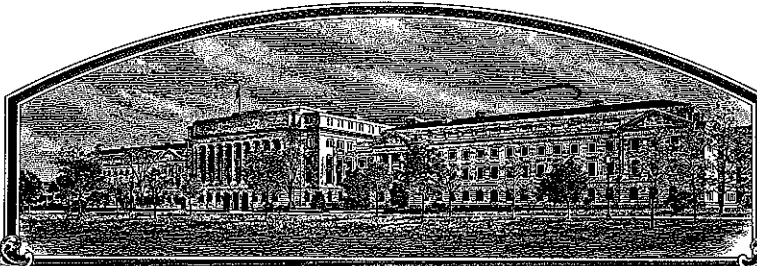


No.

200100155



# THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

**D&H Technology Holding Company, LLC.**

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSES, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED IN THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

COTTON

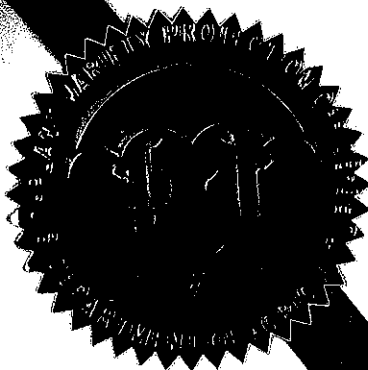
'SG 215 BG/RR'

*In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this twenty-sixth day of July, in the year two thousand and five.*

Attest:

Commissioner  
Plant Variety Protection Office  
Agricultural Marketing Service


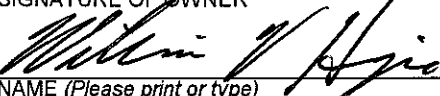
Secretary of Agriculture



U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE  
**APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE**  
(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF OWNER <b>DELTA AND PINE LAND COMPANY</b> <b>D+PL TECHNOLOGY HOLDING COMPANY, LLC</b>		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME <b>SGX 215 BR</b>		3. VARIETY NAME <b>SG 215 BG/RR</b>	
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)  <b>P.O. Box 157 Scott, MS 38772</b>		5. TELEPHONE (include area code) <b>662.742.3351</b>		FOR OFFICIAL USE ONLY	
6. FAX (include area code) <b>662.742.3182</b>		7. IF THE OWNER NAMED IS NOT A "PERSON" GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) <b>Corporation</b>		8. IF INCORPORATED, GIVE STATE OF INCORPORATION <b>DE</b>	
9. DATE OF INCORPORATION <b>Oct. 19, 1978</b>		10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. (First person listed will receive all papers) <b>Robert McGowen Delta and Pine Land Company P.O. Box 157 Scott, MS 38772</b>		11. FILING AND EXAMINATION FEES: <b>\$ 2450</b>  DATE <b>March 29, 2001</b>	
12. TELEPHONE (include area code) <b>(662) 742.3351</b>		13. FAX (include area code) <b>(601) 742.3182</b>		14. CROP KIND (Common Name) <b>cotton</b>	
15. GENUS AND SPECIES NAME OF CROP <b>Gossypium hirsutum</b>		16. FAMILY NAME (Botanical) <b>Malvaceae</b>		17. IS THE VARIETY A FIRST GENERATION HYBRID? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
18. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse) a. <input checked="" type="checkbox"/> Exhibit A Origin and Breeding History of the Variety b. <input checked="" type="checkbox"/> Exhibit B Statement of Distinctness c. <input checked="" type="checkbox"/> Exhibit C Objective Description of Variety d. <input type="checkbox"/> Exhibit D Additional Description of Variety (Optional) e. <input checked="" type="checkbox"/> Exhibit E Statement of the Basis of the Owner's Ownership f. <input checked="" type="checkbox"/> Voucher Sample (2,500 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository) g. <input checked="" type="checkbox"/> Filing and Examination Fee (\$2,450) made payable to "Treasurer of the United States" (Mail to Plant Variety Protection Office)		19. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? See Section 83(a) of the Plant Variety Protection Act) <input type="checkbox"/> YES (If "yes", answer items 20 and 21 below) <input checked="" type="checkbox"/> NO (If "no," go to item 22)			
20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		21. IF "YES" TO ITEM 20, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED? <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED			
22. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U.S. OR OTHER COUNTRIES? <b>X YES</b> <input type="checkbox"/> NO  IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use space indicated on reverse.)		23. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)? <b>X YES</b> <input type="checkbox"/> NO  IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.)			
24. The owners declare that a viable sample of basic seed of the variety will be furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate.  The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.  Owner(s) is(are) informed that false representation herein can jeopardize protection and result in penalties.					
SIGNATURE OF OWNER 		SIGNATURE OF OWNER 			
NAME (Please print or type) <b>Robert McGowen</b>		NAME (Please print or type) <b>William V. Hugie</b>			
CAPACITY OR TITLE <b>Breeder</b>		CAPACITY OR TITLE <b>Vice President/Research</b>		DATE <b>3/27/01</b>	

**GENERAL:** To be effectively filed with the Plant Variety Protection Office (PVPO), **ALL** of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (*in the sense that it will reproduce an entire plant*) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$2,450 (\$300 filing fee and \$2,150 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfilled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 500, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. **DO NOT** use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$300 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office

Telephone: (301) 504-5518

FAX: (301) 504-5291

Homepage: <http://www.ams.usda.gov/science/pvp.htm>

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#### ITEM

- 18a. Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method; (2) the details of subsequent stages of selection and multiplication; (3) evidence of uniformity and stability; and (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 18b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
- (1) identify these varieties and state all differences objectively;
  - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
  - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 18c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 18d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 18e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
19. If "Yes" is specified (*seed of this variety be sold by variety name only, as a class of certified seed*), the applicant **MAY NOT** reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See *Regulations and Rules of Practice, Section 97.103*).
22. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
23. See Section 5.5 of the Act for instructions on claiming the benefit of an earlier filing date.

**22. CONTINUED FROM FRONT** (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

USA - March 20, 01

**23. CONTINUED FROM FRONT** (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

#### **Bollgard® with Roundup Ready® cotton**

THESE SEEDS ARE COVERED UNDER U.S. PATENTS 5,633,435; 5,500,365; 5,424,200; 5,359,142; 5,352,605; 5,530,196; 5,322,938; 5,196,525; 5,188,642; 5,164,316; 4,940,835; 5,717,084; 5,728,925; and 5,804,425.

**NOTES:** It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of ownership or assignment or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

To avoid conflict with other variety names in use, the applicant must check the variety names proposed by contacting: Seed Branch, AMS, USDA, Room 213, Building 306, Beltsville Agricultural Research Center--East, Beltsville, MD 20705. Telephone: (301) 504-8089.

Public reporting burden for this collection of information is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Agriculture, Clearance Officer, OIRM, AG Box 7630, Jamie L. Whitten Building, Washington, D.C. 20250. When replying, refer to OMB No. 0581-0055 and form number in your letter. Under the PRA of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

The U.S. Department of Agriculture (USDA) prohibits discrimination in its programs on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, and marital or familial status. (Not all prohibited bases apply to all programs). Persons with disabilities who require alternative means for communication of program information (braille, large print, audiotape, etc.) should contact the USDA Office of Communications at (202) 720-2791. To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, D.C. 20250, or call (202) 720-7327 (voice) or (202) 720-1127 (TDD). USDA is an equal opportunity employer.

S&T-470 (6-98) designed by the Plant Variety Protection Office with WordPerfect 6.0a. Replaces STD-470 (03-98) which is obsolete.

**EXHIBIT A****PVP APPLICATION FOR:  
SG 215 BG/RR****ORIGIN AND BREEDING HISTORY**

SG 215 BG/RR was developed by the backcross breeding method. The donor parent PM 1220 BGRR whose donor parents intern was a plant of the cotton variety COKER 312 LINE 1445 and a line with insertion 531 of construct PV-GHBK06 containing a *Bacillus thuringiensis* var. *kurstaki* pesticide protein developed by the Monsanto Company. LINE 1445 was developed by the MONSANTO COMPANY using Recombinant DNA techniques to introduce a resistant version of the gene EPSPS which encodes the enzyme: 5-enolpyruvylshikimate-3-phosphate synthase (EPSPS). This modified EPSPS was originally isolated from the common soil borne microorganism *Agrobacterium sp.* strain CP4 and confers to LINE 1445 resistance or tolerance to the herbicide glyphosate [formulation of glyphosate, N (phosphonomethyl) glycine] commercialized under the trade name ROUNDUP.

The F<sub>1</sub>, BC<sub>1</sub>, and BC<sub>2</sub> crosses were made in Monsanto's greenhouse in St. Louis, MO. BC<sub>2</sub>F<sub>1</sub>, and BC<sub>2</sub>F<sub>2</sub> plants were grown and selfed in the greenhouses located at St. Louis, MO.

BC<sub>2</sub>F<sub>3</sub> progeny rows were grown at Scott, MS in the summer of 1997. Progeny rows were tested for trueness to type of the recurrent parent SURE-GROW 125. Line 457 was selected based on improved yield. It also contained the "Roundup Ready Gene" and "BollGard Gene" in a homozygous form. This line became SG 215 BG/RR. The line was sent to winter nursery in Costa Rica for increase during the 1998-99 season.

SG 215 BG/RR was evaluated across the cotton belt in replicated research plots in 1998, 1999 and 2000. Separate isolated increases of SG 215 BG/RR were grown in 1999 and 2000.

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**PVP APPLICATION FOR:  
SG 215 BG/RR**

**STATEMENT OF UNIFORMITY AND STABILITY**

SG 215 BG/RR has been observed over several generations and appears to be uniform and stable. Less than 2% of the plants do not contain the gene insertion 1445 which imparts resistance to the herbicide Roundup. Less than 2% of the plants do not contain the gene insertion 531 of construct PV-GHBK04 of Bacillus thuringiensis var. kurstaki pesticide which imparts resistance to several Lepidopteran insects.

200100155  
REPLACEMENT  
3/3/04 Wkl

**REVISED EXHIBIT B**

**PVP APPLICATION FOR:**

**SG 215 BG/RR**

**NOVELTY STATEMENT**

SG 215 BG/RR is most similar to Sure-Grow 125B/R and Sure-Grow 521BR. SG 215 BG/RR plants carry the gene insertion 1445 of a construct developed by the MOSANTO COMPANY, which causes these plants to be tolerant to the herbicide ROUNDUP (glyphosate) and the gene of Insertion 531 of construct PV-GHBK04 containing a *Bacillus thuringiensis* var. *kurstaki* pesticide protein imparting resistance to Lepidopteran insects. Sure-Grow 125B/R and Sure-Grow 521BR, the comparison varieties in this application, both contain the gene insertions of 1445 and 531 as described above. Significant differences in fiber properties have been observed in these varieties. SG 215 BG/RR has a 1.41% higher lint percent and produces lint that is 1.14 gram/tex weaker and 0.02 inches shorter than SG 125B/R. SG 215 BG/RR produces fiber with a 0.1 higher micronaire, 0.27 g/tex weaker and 0.01 inches longer than SG 521 B/RR. All other fiber properties and plant type are similar.

Coker 312 Line 531 has the following transgenic insertion.

Phenotype: Lepidopteran insect resistance  
constructs: PV-GHBK04  
genotype:

- promoter: CMoV – A 0.6 Kb 35S promoter region of cauliflower mosaic virus.
- gene: *cryIA* © - FL *B.t.k.* – a 3.6 Kb gene encoding the full length *Bacillus thuringiensis* insect control protein.
- 3' non-translated region: E9 3' – the 0.7 Kb 3' non-translated region of the pea *rbcs*-E9 gene *Agrobacterium tumefaciens* T-DNA.

Selectable marker:

- promoter 35S – A 0.35 Kb 35S promoter region of cauliflower mosaic virus.
- gene: NPt II – the 0.83 Kb neomycin phosphotransferase type II gene that confers kanamycin resistance.
- 3' non-translated region: NOS 3' – from the nopaline synthase gene of *Agrobacterium tumefaciens* T-DNA.

LINE 1445 was developed by the MONSANTO COMPANY using Recombinant DNA techniques to introduce a resistant version of the gene EPSPS which encodes the enzyme: 5-enolpyruvylshikimate-3 phosphate synthase (EPSPS). This modified EPSPS was originally isolated from the common soil borne microorganism *Agrobacterium sp.* Strain CP4 and confers to LINE 1445 resistance or tolerance to the herbicide glyphosate {formulation of glyphosate, N (phosphonomethyl) glycine} commercialized under the trade name ROUNDUP.

**Average Results from 15 Locations Across the Midsouth  
and Southeast, 1998-1999**

Variety	Lint Yield	Lint Percent	Mic	Len	UR	T1	E1
SG 215 BG/RR	1180	39	4.9	1.09	84	27.2	10.8
Sure-Grow 125B/R	1087	37.6	4.7	1.12	84	28.4	10
Mean							
No. Tests	15	15	13	13	5	11	8

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# Cotton Head To Head Comparisons Report

## SG 215 BG/RR Vs. Competitors

Represents Summarized Data From 1999 to 2000  
Public Official Variety Trials and Internal Agronomic Service Trials

Restrictions: None

Varieties	Yield (Lint/Ac)	Wins (%)	Staple (Inches)	Strength (g.text)	Micronaire	LeafGrade (%)	Turnout (%)	Grade (Index)	Uniformity (%)	Value
SG 215 BG/RR	973	85%	33.3	26.1	4.4	2	36.5	80	82	\$ 450.36
Sure-Grow 125B/R	869	15%	34	27.2	4.3	2	35.1	79	82	\$ 408.97
No. of Tests	94	94	85	85	85	71	88	68	85	71

Grade indexes greater than 100 represent color grades greater than 41.

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# COPY

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REPLACEMENT  
8/13/04 LAL

**D&PL TECHNOLOGY HOLDING COMPANY, LLC.**  
**PVP APPLICATION FOR: SG 215 BG/RR**  
**PV# 200100155**

Response to E-mail Request for F-test Analysis dated 6/18/04

**Table 1. Head to head comparisons of SG 215 BR with SG 521 BR**

				Lint Turnout		Micronaire		Length		Uniformity Ratio		Strength	
YEAR	REGION	EXPT	STATE	SG 215 BR	SG 521 BR	SG 215 BR	SG 521 BR	SG 215 BR	SG 521 BR	SG 215 BR	SG 521 BR	SG 215 BR	SG 521 BR
1999	NODE	1048004161	TN	39.6	39.9	5.0	4.7	1.10	1.06	84.6	84.0	27.4	27.4
1999	NODE	1056004201	MO	39.2	39.4	4.5	4.4	1.08	1.10	83.8	83.6	26.5	28.2
1999	NODE	1056004241	AR	39.4	42.5	4.9	4.9	1.10	1.09	83.1	84.2	29.0	27.8
1999	NOSE	1052003481	NC	39.1	39.9	4.3	4.0	1.06	1.07	83.0	82.8	25.5	27.3
1999	NOSE	1060003422	SC	39.5	38.0	5.3	5.2	1.04	1.05	83.3	83.4	28.2	28.1
1999	NOSE	1060003427	SC	41.2	41.4	5.7	5.5	1.03	1.01	83.6	82.5	27.0	27.3
1999	SOSE	1013000501	AL	43.1	42.6	5.7	5.2	1.02	1.03	82.8	82.4	26.3	27.5
1999	SOSE	1026000581	GA	43.0	41.5	5.3	4.7	1.04	1.06	82.7	82.3	27.3	26.9
1999	SOSE	1026000601	GA	40.5	40.7	5.1	4.5	1.07	1.05	83.0	83.1	26.1	26.5
2000	CA	2045000024	CA	33.1	33.0	4.3	4.3	1.10	1.09	82.1	82.4	24.3	27.4
2000	NODE	1048008461	MS	35.3	34.9	4.1	4.1	1.01	1.04	81.0	80.7	25.7	27.0
2000	NODE	1050008341	MS	33.3	34.3	4.0	4.1	1.01	1.01	80.5	79.0	24.2	25.0
2000	NODE	1050008441	MS	32.6	33.9	3.8	4.2	1.06	1.03	81.9	81.4	26.1	25.5
2000	NODE	1056006521	MO	33.8	35.6	4.2	4.4	1.06	1.04	83.0	80.9	27.5	26.5
2000	NODE	2043000019	AR	35.0	33.1	3.9	4.0	1.06	1.04	81.6	81.5	27.5	28.1
2000	NODE	2043000029	AR	35.4	33.0	3.7	4.1	1.03	0.98	81.3	80.1	26.8	25.4
2000	NODE	2043000032	AR	37.5	37.0	4.6	4.4	1.01	1.01	81.2	81.6	26.4	27.5
2000	NODE	2043000059	AR	40.3	40.0	4.7	4.6	1.07	1.09			25.7	25.2
2000	NODE	2048000059	MS	31.9	34.4	4.1	4.0	1.02	1.01	80.6	80.6	25.4	25.7
2000	NODE	2048000066	MS	35.8	36.5	4.1	3.8	1.01	1.01	79.7	80.6	25.0	24.8
2000	NODE	2048000074	MS	35.8	35.7	3.9	3.6	0.99	0.99	79.3	79.4	25.7	26.0
2000	NODE	2048000079	MS	35.0	33.7	3.7	3.4	1.07	1.05	81.3	80.9	25.6	26.5
2000	NODE	2048000100	MS	36.6	35.5	3.4	3.3	1.09	1.01	81.2	80.9	27.8	26.1
2000	NODE	2048000144	TN	34.0	33.0	3.5	3.1	1.03	1.08	81.5	81.0	27.7	27.2
2000	NODE	2048000152	TN	33.9	33.9	4.1	4.1	1.01	0.96	80.7	79.3	26.6	25.6
2000	NODE	2048000176	TN	32.3	32.6	3.5	3.1	1.06	1.06	82.0	82.0	26.9	28.6
2000	NODE	2050000021	MS	34.5	24.5	4.5	4.3	1.03	1.03	80.6	83.3	27.1	31.3
2000	NODE	2050000029	MS	33.2	33.0	4.4	4.5	1.03	1.01	82.4	81.2	25.6	26.2
2000	NODE	2050000033	MS	33.8	38.1	5.0	4.8	1.02	0.99	81.1	79.8	26.3	26.0
2000	NODE	2050000043	MS	37.4	37.7	5.1	4.7	1.01	1.07	81.4	82.5	25.0	27.9
2000	NODE	2050000071	MS	38.9	38.8	4.5	4.5	1.03	1.00	81.0	80.7	26.3	26.2
2000	NODE	2050000097	MS	34.7	34.1	3.9	4.0	1.02	1.02	81.5	81.2	25.7	26.5
2000	NODE	2056000006	AR	35.0	37.9	4.7	4.2	1.03	1.05	82.8	79.9	26.4	27.4
2000	NODE	2056000008	MO	33.9	33.1	4.0	3.8	1.06	1.02	81.5	79.7	28.0	25.1
2000	NODE	2056000011	AR	37.6	35.5	3.9	3.9	1.03	1.03	79.2	81.9	25.0	27.6
2000	NODE	2056000021	MO	32.9	34.6	4.0	3.5	1.08	1.10	81.6	82.1	26.7	28.6
2000	NOSE	2046000030	TN	36.9	38.2	4.4	4.0	1.01	1.00	80.6	81.0	25.8	26.1
2000	NOSE	2052000028	NC	40.4	39.9	4.1	4.2	1.04	1.03	82.6	81.2	25.7	26.1
2000	NOSE	2052000029	NC	40.8	40.5	4.4	4.4	1.01	0.97	81.2	80.7	24.6	24.2
2000	NOSE	2052000037	NC	37.0	36.7	3.9	3.6	1.05	1.04	81.8	81.8	25.6	25.8
2000	NOSE	2060000020	SC	38.4	37.5	4.1	4.1	0.99	1.01	80.1	80.7	23.4	24.0
2000	NOSE	2060000021	NC	36.5	36.2	4.2	4.2	1.00	1.00	80.4	80.8	25.2	24.9
2000	NOSE	2060000024	SC	36.5	37.3	4.6	4.4	1.04	1.02	81.4	81.2	25.0	25.3
2000	NOSE	2060000026	SC	37.6	37.8	4.5	4.5	1.02	1.01	80.0	79.7	25.7	25.0
2000	NOSE	2060000057	SC	36.9	39.2	4.3	4.0	1.03	1.04	82.0	82.4	24.2	24.4
2000	SODE	2043000026	LA	34.7	33.4	4.9	4.7	1.06	1.00	80.2	78.9	26.7	24.2
2000	SODE	2054000017	LA	37.1	32.4	4.9	5.1	1.03	1.02	81.2	80.5	29.2	26.9

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200100155  
REPLACEMENT  
8/13/04 LAL

**D&PL TECHNOLOGY HOLDING COMPANY, LLC.**  
**PVP APPLICATION FOR: SG 215 BG/RR**  
**PV# 200100155**

Response to E-mail Request for F-test Analysis dated 6/18/04

**Table 1. Head to head comparisons of SG 215 BR with SG 521 BR**

				Lint Turnout		Micronaire		Length		Uniformity Ratio		Strength	
YEAR	REGION	EXPT	STATE	SG 215 BR	SG 521 BR	SG 215 BR	SG 521 BR	SG 215 BR	SG 521 BR	SG 215 BR	SG 521 BR	SG 215 BR	SG 521 BR
2000	SODE	2054000020	LA	37.3	39.0	4.8	4.7	1.03	1.05	81.8	82.1	26.1	27.1
2000	SODE	2054000022	LA	36.8	36.0	4.3	3.9	1.07	1.02	82.2	81.2	27.5	27.0
2000	SODE	2054000024	LA	35.3	35.5	4.6	4.7	0.99	1.01	79.9	81.6	24.5	26.0
2000	SODE	2054000042	LA	34.8	35.8	4.3	4.4	1.05	1.05	82.1	81.3	27.3	27.4
2000	SOSE	2046000031	AL	34.2	35.4	4.4	4.2	1.01	1.00	81.4	80.9	27.0	26.9
2000	SOSE	2046000033	AL	34.2	35.4	3.3	3.2	1.04	1.04	80.3	80.9	25.7	27.1
2000	SOSE	2049000007	AL	38.4	38.1	4.1	4.2	1.05	1.05	81.7	82.0	27.2	27.5
2000	SOSE	2053000002	GA	39.0	36.6	4.5	4.3	1.00	1.00	80.2	81.7	22.6	23.6
2000	SOSE	2053000036	GA	38.8	38.6	4.6	4.5	1.04	1.03	82.5	82.2	25.9	26.7
2000	SW	2044000022	NM	39.8	40.0	3.9	4.1	1.09	1.09	82.8	83.0	28.5	27.8
2000	SW	2045000005	AZ	36.0	35.2	5.1	4.8	1.07	1.05	82.7	82.2	25.8	25.6
2000	TXBL	2044000019	TX	40.4	42.1	4.5	4.6	1.09	1.08	83.1	82.8	26.0	26.7
2000	TXHP	2044000031	TX	33.1	33.7	4.3	4.3	1.01	1.01	80.9	80.7	24.9	25.1
2000	TXHP	2047000005	TX	33.6	33.1	4.3	4.1	0.99	0.98	81.0	81.1	26.2	26.3
2000	TXHP	2047000011	TX	34.2	33.9	4.8	4.5	1.05	1.03	81.8	81.4	26.5	26.6
2000	TXHP	2047000012	TX	29.4	27.4	3.7	3.7	1.03	1.00	80.8	81.0	25.1	25.8
2000	TXHP	2047000039	TX	32.3	32.1	4.2	4.2	1.03	1.02	82.3	81.8	26.9	26.8
2000	TXRP	2041000042	TX	34.4	36.2	2.9	3.1	1.06	1.02	82.9	80.9	25.1	25.3
2000	TXRP	2042000021	TX	31.9	31.8	3.4	3.5	1.08	1.08	80.4	80.5	23.0	23.0
2000	TXRP	2042000031	TX	35.3	33.7	3.8	3.5	1.01	1.02	81.0	81.8	25.7	27.3
2000	TXRP	2042000038	TX	35.2	34.4	3.7	3.9	0.99	0.98	81.1	81.6	24.3	24.3
2000	TXRP	2042000039	TX	34.5	34.6	3.7	4.3	1.06	0.99	80.5	80.9	27.2	26.0
2000	TXRP	2944000009	TX	29.0	28.3	4.7	5.0	1.07	1.03	82.9	81.8	29.0	28.0
Average				36.12	35.98	4.31	4.21	1.039	1.030	81.59	81.41	26.13	26.41
No. Comparisons				70		70		70		69		70	
Difference				0.14		0.09		0.009		0.18		-0.28	
F ratio - Analysis of Variance				0.395		10.668		9.538		2.437		3.567	
Probability of difference - F test				0.532		0.0017		0.0029		0.1232		0.0631	

Values in red are derived from the Analysis of Variance routine in the EXCEL - ANALYSIS TOOL PAK add-in

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8/13/04 LAW

**D&PL TECHNOLOGY HOLDING COMPANY, LLC.  
PVP APPLICATION FOR: SG 215 BG/RR  
PV# 200100155**

Response to E-mail Request for F-test Analysis dated 6/18/04

**Table 2. Head to head comparisons of SG 215 BR with SG 125 BR**

YEAR	REGION	EXPT	STATE	Lint Turnout		Micronaire		Length		Uniformity Ratio		Strength	
				SG 215 BR	SG 125 BR	SG 215 BR	SG 125 BR	SG 215 BR	SG 125 BR	SG 215 BR	SG 125 BR	SG 215 BR	SG 125 BR
1999	NODE	1048004161	TN	39.6	37.9	5.0	4.7	1.10	1.11	84.6	84.1	27.4	28.8
1999	NODE	1056004201	MO	39.2	37.7	4.5	4.2	1.08	1.11	83.8	83.3	26.5	28.4
1999	NODE	1056004241	AR	39.4	37.3	4.9	4.8	1.10	1.11	83.1	84.2	29.0	28.7
1999	NOSE	1052003481	NC	39.1	38.5	4.3	4.3	1.06	1.08	83.0	83.4	25.5	26.5
1999	NOSE	1060003422	SC	39.5	37.4	5.3	4.8	1.04	1.09	83.3	83.5	28.2	28.9
1999	NOSE	1060003427	SC	41.2	40.2	5.7	5.4	1.03	1.04	83.6	82.9	27.0	29.4
1999	SOSE	1013000501	AL	43.1	42.2	5.7	5.6	1.02	1.05	82.8	82.7	26.3	27.9
1999	SOSE	1026000581	GA	43.0	41.1	5.3	5.1	1.04	1.10	82.7	82.7	27.3	29.2
1999	SOSE	1026000601	GA	40.5	40.5	5.1	4.9	1.07	1.09	83.0	83.0	26.1	27.7
2000	CA	2045000024	CA	33.1	31.9	4.3	4.2	1.10	1.09	82.1	82.3	24.3	26.3
2000	NODE	1048008461	MS	35.3	33.1	4.1	3.9	1.01	1.03	81.0	81.1	25.7	26.8
2000	NODE	1050008341	MS	33.3	28.0	4.0	4.2	1.01	1.06	80.5	81.1	24.2	26.7
2000	NODE	1050008441	MS	32.6	27.5	3.8	4.0	1.06	1.09	81.9	81.1	26.1	26.7
2000	NODE	1056006521	MO	33.8	36.3	4.2	4.5	1.06	0.98	83.0	78.0	27.5	25.3
2000	NODE	2043000019	AR	35.0	32.6	3.9	3.7	1.06	1.04	81.6	80.8	27.5	27.5
2000	NODE	2043000029	AR	35.4	36.8	3.7	3.7	1.03	1.00	81.3	80.0	26.8	26.4
2000	NODE	2043000032	AR	37.5	35.2	4.6	4.3	1.01	1.04	81.2	81.0	26.4	29.0
2000	NODE	2043000059	AR	40.3	39.4	4.7	4.8	1.07	1.10			25.7	26.7
2000	NODE	2048000059	MS	31.9	33.4	4.1	3.8	1.02	1.06	80.6	80.6	25.4	27.6
2000	NODE	2048000066	MS	35.8	33.6	4.1	3.7	1.01	1.05	79.7	81.1	25.0	26.9
2000	NODE	2048000074	MS	35.8	33.4	3.9	3.9	0.99	1.03	79.3	80.3	25.7	27.6
2000	NODE	2048000079	MS	35.0	32.0	3.7	3.3	1.07	1.08	81.3	80.6	25.6	27.1
2000	NODE	2048000100	MS	36.6	33.4	3.4	3.5	1.09	1.04	81.2	79.9	27.8	26.3
2000	NODE	2048000144	TN	34.0	33.4	3.5	3.5	1.03	1.10	81.5	82.3	27.7	29.9
2000	NODE	2048000152	TN	33.9	36.4	4.1	3.9	1.01	1.01	80.7	80.4	26.6	28.0
2000	NODE	2048000176	TN	32.3	31.9	3.5	3.4	1.06	1.06	82.0	82.0	26.9	27.8
2000	NODE	2050000021	MS	34.5	34.2	4.5	4.2	1.03	1.05	80.6	81.2	27.1	28.5
2000	NODE	2050000029	MS	33.2	31.8	4.4	4.4	1.03	1.04	82.4	81.3	25.6	26.2
2000	NODE	2050000033	MS	33.8	35.4	5.0	5.0	1.02	1.03	81.1	81.9	26.3	27.9
2000	NODE	2050000043	MS	37.4	36.0	5.1	4.7	1.01	1.07	81.4	82.3	25.0	28.7
2000	NODE	2050000071	MS	38.9	37.1	4.5	4.5	1.03	1.05	81.0	81.3	26.3	27.9
2000	NODE	2050000097	MS	34.7	32.5	3.9	4.0	1.02	1.05	81.5	81.7	25.7	27.4
2000	NODE	2056000006	AR	35.0	33.5	4.7	4.4	1.03	1.03	82.8	81.3	26.4	27.8
2000	NODE	2056000008	MO	33.9	32.4	4.0	3.9	1.06	1.07	81.5	82.4	28.0	27.9
2000	NODE	2056000011	AR	37.6	33.5	3.9	4.4	1.03	1.07	79.2	81.7	25.0	27.8
2000	NODE	2056000021	MO	32.9	32.6	4.0	3.8	1.08	1.11	81.6	81.5	26.7	27.6
2000	NOSE	2046000030	TN	36.9	36.3	4.4	4.1	1.01	1.00	80.6	81.3	25.8	25.9
2000	NOSE	2052000028	NC	40.4	39.3	4.1	4.1	1.04	1.01	82.6	81.6	25.7	25.6
2000	NOSE	2052000029	NC	40.8	38.7	4.4	4.5	1.01	1.03	81.2	80.7	24.6	25.4
2000	NOSE	2052000037	NC	37.0	37.0	3.9	3.7	1.05	1.08	81.8	81.8	25.6	26.5
2000	NOSE	2060000020	SC	38.4	35.6	4.1	4.0	0.99	1.02	80.1	81.5	23.4	24.0
2000	NOSE	2060000021	NC	36.5	35.6	4.2	4.3	1.00	1.04	80.4	80.6	25.2	27.6
2000	NOSE	2060000024	SC	36.5	36.0	4.6	4.5	1.04	1.05	81.4	80.9	25.0	25.6
2000	NOSE	2060000026	SC	37.6	36.7	4.5	4.7	1.02	1.02	80.0	79.8	25.7	26.3
2000	NOSE	2060000057	SC	36.9	37.2	4.3	4.1	1.03	1.07	82.0	80.0	24.2	24.9
2000	SODE	2043000026	LA	34.7	30.9	4.9	4.6	1.06	1.08	80.2	82.5	26.7	25.9

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**D&PL TECHNOLOGY HOLDING COMPANY, LLC.**  
**PVP APPLICATION FOR: SG 215 BG/RR**  
**PV# 200100155**

Response to E-mail Request for F-test Analysis dated 6/18/04

**Table 2. Head to head comparisons of SG 215 BR with SG 125 BR**

				Lint Turnout		Micronaire		Length		Uniformity Ratio		Strength	
2000	SODE	2054000017	LA	37.1	37.0	4.9	5.0	1.03	1.02	81.2	81.6	29.2	26.7
2000	SODE	2054000020	LA	37.3	33.1	4.8	4.7	1.03	1.09	81.8	82.1	26.1	28.1
2000	SODE	2054000022	LA	36.8	35.2	4.3	4.2	1.07	1.06	82.2	81.6	27.5	27.9
2000	SODE	2054000024	LA	35.3	33.7	4.6	4.8	0.99	1.10	79.9	82.1	24.5	27.4
2000	SODE	2054000042	LA	34.8	34.8	4.3	4.4	1.05	1.08	82.1	82.3	27.3	28.3
2000	SOSE	2046000031	AL	34.2	34.6	4.4	4.2	1.01	1.16	81.4	83.0	27.0	32.9
2000	SOSE	2046000033	AL	34.2	34.6	3.3	3.4	1.04	1.08	80.3	81.3	25.7	27.8
2000	SOSE	2049000007	AL	38.4	36.1	4.1	4.1	1.05	1.09	81.7	82.0	27.2	27.4
2000	SOSE	2053000002	GA	39.0	32.5	4.5	4.5	1.00	1.04	80.2	81.4	22.6	24.3
2000	SOSE	2053000036	GA	38.8	37.9	4.6	4.5	1.04	1.07	82.5	82.4	25.9	27.1
2000	SW	2044000022	NM	39.8	40.0	3.9	4.4	1.09	1.09	82.8	83.0	28.5	28.7
2000	SW	2045000005	AZ	36.0	32.7	5.1	4.4	1.07	1.11	82.7	83.0	25.8	27.1
2000	TXBL	2044000019	TX	40.4	39.6	4.5	4.5	1.09	1.11	83.1	83.0	26.0	28.2
2000	TXHP	2044000031	TX	33.1	31.1	4.3	4.3	1.01	0.99	80.9	80.6	24.9	24.9
2000	TXHP	2047000005	TX	33.6	30.5	4.3	4.4	0.99	1.02	81.0	82.0	26.2	27.2
2000	TXHP	2047000011	TX	34.2	31.3	4.8	4.5	1.05	1.05	81.8	81.5	26.5	26.7
2000	TXHP	2047000012	TX	29.4	25.7	3.7	4.0	1.03	1.04	80.8	80.6	25.1	25.4
2000	TXHP	2047000039	TX	32.3	31.6	4.2	4.3	1.03	1.05	82.3	81.1	26.9	27.6
2000	TXRP	2041000042	TX	34.4	34.3	2.9	3.1	1.06	1.06	82.9	81.7	25.1	27.1
2000	TXRP	2042000021	TX	31.9	31.6	3.4	3.4	1.08	1.07	80.4	81.0	23.0	24.7
2000	TXRP	2042000031	TX	35.3	33.4	3.8	3.6	1.01	1.03	81.0	80.8	25.7	27.2
2000	TXRP	2042000038	TX	35.2	33.4	3.7	3.9	0.99	1.03	81.1	80.9	24.3	26.1
2000	TXRP	2042000039	TX	34.5	34.2	3.7	4.2	1.06	1.03	80.5	82.0	27.2	28.2
2000	TXRP	2944000009	TX	29.0	27.5	4.7	5.1	1.07	1.06	82.9	83.2	29.0	28.7
Average				36.12	34.71	4.31	4.25	1.039	1.059	81.59	81.65	26.13	27.27
No. Comparisons				70		70		70		69		70	
Difference				1.41		0.05		-0.020		-0.06		-1.14	
F ratio - Analysis of Var				49.938		3.696		25.233		0.214		58.408	
Probability of difference													
- F test				<0.0001		0.0586		<0.0001		0.6454		<0.0001	

Values in red are derived from the Analysis of Variance routine in the EXCEL - ANALYSIS TOOL PAK

Public reporting burden for this collection of information is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Agriculture, Clearance Officer, OIRM, AG Box 7630, Jamie L. Whitten Building, Washington, D.C. 20250. When replying, refer to OMB No. 0581-0055 and form number in your letter. Under the PRA of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

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**U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
SCIENCE AND TECHNOLOGY  
PLANT VARIETY PROTECTION OFFICE  
BELTSVILLE, MD 20705**

**EXHIBIT C  
(COTTON)**

**OBJECTIVE DESCRIPTION OF VARIETY  
COTTON (*Gossypium* spp.)**

NAME OF APPLICANT(S)	TEMPORARY DESIGNATION	VARIETY NAME
DELTA AND PINE LAND COMPANY	SGX 215 BG/RR	SG 215 BG/RR

ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code)

P.O. BOX 157  
SCOTT, MS 38772

**FOR OFFICIAL USE ONLY  
PVPO NUMBER**

200100155

Place the appropriate data that describes the varietal characteristic of this variety in the space provided. Characteristics described, including numerical measurements, should represent those that are typical for the variety. Royal Horticultural Society or any recognized color fan may be used to determine plant colors. Characters marked with an asterisk \* indicate necessary characters to be measured.

SPECIFIC VARIETIES USED FOR COMPARISON AS CHECK VARIETIES IN THIS APPLICATION: Use standard regional check varieties which are adapted to your area. One of the comparison varieties must be the most similar variety used in Exhibit B.

Variety 1. Sure-Grow 125B/R Variety 2. Sure-Grow 521BR Variety 3. \_\_\_\_\_

\*1. SPECIES:

XX *G. hirsutum* L.        *G. barbadense* L.

\*2. AREA(S) OF ADAPTATION: (A = Adapted, NA = Not Adapted, NT = Not Tested)

<u>A</u> Eastern	<u>A</u> Delta	<u>A</u> Central	<u>A</u> Blacklands
<u>NA</u> Plains	<u>A</u> Western	<u>A</u> Arizona	<u>A</u> San Joaquin
<u>Other (Specify):</u> _____			

3. GENERAL: Characteristics which are known to be variable but are still useful for a meaningful description of the variety.

Application Variety	Comparison Variety 1	Comparison Variety 2	Comparison Variety 3
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**Plant Habit:**

Spreading, Intermediate, Compact	<u>Intermediate</u>	<u>Intermediate</u>	<u>Intermediate</u>	_____
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**Foliage:**

Sparse, Intermediate, Dense	<u>Sparse</u>	<u>Sparse</u>	<u>Sparse</u>	_____
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**Stem Lodging:**

Lodging, Intermediate, Erect	<u>Intermediate</u>	<u>Intermediate</u>	<u>Intermediate</u>	_____
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**Fruiting Branch:**

Clustered, Short, Normal	<u>Normal</u>	<u>Normal</u>	<u>Normal</u>	_____
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**Growth:**

Determinate, Intermediate,  
Indeterminate

200100155  
 Intermediate Intermediate Intermediate

**Leaf Color:**

Greenish yellow, Light green,  
Medium green, Dark green

Light green Light green Light Green

**Boll Shape:** Length less than width,

Length equal to width,

Length more than width

length more than width length more than width Length more than width

**Boll Breadth:** Broadest at base,

Broadest at middle

broadest at middle broadest at middle broadest at middle

**\*4. MATURITY:** (50 % Open bolls; Preferred method; Describe method if different method was used.)

Date of 50 % open bolls 19 Sept. 20 Sept. 21 Sept.

**5. PLANT:****Cm to 1st Fruiting Branch:**

(from cotyledonary node)

25 24 26

**No. of Nodes to 1st Fruiting Branch:**

(excluding cotyledonary node)

5.5 5.4 5.4

**Mature Plant Height cm:**

(from cotyledonary node to terminal)

125 113 122

**\*6. LEAF:** Upper most, fully expanded leaf.**Type:** Normal, Sub Okra,

Okra, Super Okra

Normal Normal Normal

**Pubescence:** Absent, Sparse,

Medium, Dense OR Trichomes/cm<sup>2</sup>

(Bottom surface excluding veins)

Sparse Sparse Sparse

**Nectaries:** Present or Absent

Present Present Present

**\*7. STEM PUBESCENCE:**

Glabrous, Intermediate, Hairy

Intermediate Intermediate Intermediate

**\*8. GLANDS:** (Gossypol) Absent, Sparse, Normal, More Than Normal

Leaf: Normal Normal Normal

Stem: Normal Normal Normal

Calyx Lobe: (normal is absent) Normal Normal Normal

**\*9. FLOWER:**

Petals: Cream, Yellow cream cream Cream

Pollen: Cream, Yellow cream cream Cream

Petal Spot: Present, Absent absent absent Absent

200100155

**Seed Index:**

(g/100 seed, fuzzy basis) \_\_\_\_\_

**Lint Index:**

(g lint/100 seeds) \_\_\_\_\_

**\*11. BOLL:****Lint Percent:**
☒ Picked \_\_\_\_\_ Pulled \_\_\_\_\_ 36.3 \_\_\_\_\_ 35.1 \_\_\_\_\_ 36 \_\_\_\_\_
**OR****Gin Turnout:**
☐ Picked \_\_\_\_\_ Stripped \_\_\_\_\_
**Number of Seeds per Boll** \_\_\_\_\_
**Grams Seed Cotton per Boll** \_\_\_\_\_ 4.79 \_\_\_\_\_ 4.73 \_\_\_\_\_ 4.72 \_\_\_\_\_

**Number of Locules per Boll** \_\_\_\_\_ 4 - 5 \_\_\_\_\_ 4 - 5 \_\_\_\_\_ 4-5 \_\_\_\_\_
**Boll Type:**
 (Stormproof, Storm Resistant, Open) ☐ open \_\_\_\_\_ ☐ open \_\_\_\_\_ ☐ open \_\_\_\_\_
**12. FIBER PROPERTIES:**Specify Method (HVI or other): ☐ HVI \_\_\_\_\_
**\* Length:** (inches, 2.5% SL) \_\_\_\_\_ 1.04 \_\_\_\_\_ 1.06 \_\_\_\_\_ 1.03 \_\_\_\_\_

**\* Uniformity:** ( % ) \_\_\_\_\_

**\* Strength, T1** (g/tex) \_\_\_\_\_ 26.1 \_\_\_\_\_ 27.2 \_\_\_\_\_ 26.4 \_\_\_\_\_

**\* Elongation, E1** ( % ) \_\_\_\_\_

**\* Micronaire:** \_\_\_\_\_ 4.3 \_\_\_\_\_ 4.2 \_\_\_\_\_ 4.2 \_\_\_\_\_

**Fineness** (Source \_\_\_\_\_) \_\_\_\_\_

**Yarn Tenacity:** (cN/tex, 27 tex) \_\_\_\_\_

**Yarn Strength:** (lbs. 22's) \_\_\_\_\_
**13. DISEASES: (NT = Not Tested, S = Susceptible, MS = Moderately Susceptible, MR = Moderately Resistant, R = Resistant)**☐ NT *Alternaria macrospora*☐ NT Fusarium Wilt☐ NT Anthracnose☐ NT Phymatotrichum Root Rot☐ NT Ascochyta Blight☐ NT *Pythium* (specify species)☐ NT Bacterial Blight (Race 1)☐ NT *Rhizoctonia solani*☐ NT Bacterial Blight (Race 2)☐ NT Southwestern Cotton Rust☐ NT Bacterial Blight (Race \_\_\_\_\_)☐ NT *Thielaviopsis basicola*

200100155

\_\_NT\_\_ Verticillium Wilt

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NT Reniform Nematode

NT Grasshopper (specify species): \_\_\_\_\_

\_NT\_ Lygus (specify species): \_\_\_\_\_

\_R\_ Pink Bollworm

NT Spider Mite (specify species): \_\_\_\_\_

NT Stink Bug (specify species): \_\_\_\_\_

\_NT\_ Thrips (specify species): \_\_\_\_\_

R Tobacco Bud Worm

R Tobacco Bud Worm

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U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paper Reduction Act (PRA) of 1995.

**EXHIBIT E**  
**STATEMENT OF THE BASIS OF OWNERSHIP**

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). The information is held confidential until the certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S)  <del>Delta and Pine Land Company</del> <i>LAW 5/23/05</i> <b>D&amp;PL TECHNOLOGY HOLDING COMPANY, LLC</b>	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER <b>SGX 215 BG/RR</b>	3. VARIETY NAME  <b>SG 215 BG/RR</b>
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country)  P.O. Box 157 Scott, Mississippi 38772 USA	5. TELEPHONE (Include area code)  662-742-3351	6. FAX (Include area code)  662-742-3182
7. PVPO NUMBER  <b>200100155</b>		

8. Does the applicant own all rights to the variety? Mark an "X" in the appropriate block.  
If no, please explain.☒ YES☐ NO9. Is the applicant (individual or company) a U.S. National or a U.S. based company?  
If no, give name of country☒ YES☐ NO

10. Is the applicant the original owner?

☒ YES☐ NO

If no, please answer one of the following:

a. If the original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. National(s)?

☐

YES

☐

NO

If no, give name of country

b. If the original rights to variety were owned by a company(ies), is (are) the original owner(s) a U.S. based company?

☐

YES

☐

NO

If no, give name of country

11. Additional explanation on ownership (If needed, use the reverse for extra space):

SG 215 BG/RR contains two proprietary genes, patented by the Monsanto Company and licensed to D&PL. One gene encodes a protein providing resistance to the herbicide glyphosate, and the other encodes an insect toxin.

**Please Note:**

Plant variety protection can only be afforded to the owners (not licensees) who meet the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 6 minutes per response, including the time for reviewing the instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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